

The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

ISSUE 321 JANUARY 31, 1986

PROPAGATION: Jan 29, Low Normal; Jan 31-Feb 4, High Normal; Feb 5, Low Normal; Feb 6, High Normal; Feb 7, High/Above Normal; Feb 8, 9, High Normal; Feb 10, Low Normal. TNX N4XX.

NOTES

Flux (81)	Flux (82)	Flux (83)	Flux (84)	Flux (85)	Date	Flux -----1986-----	A	K
160	158	143	101	77	1/17	77	7	1
167	173	139	98	77	1/18	76	8	2
171	175	132	98	77	1/19	73	3	2
167	173	125	97	78	1/20	72	11	3
162	169	120	97	91	1/21	70	15	3
161	159	117	107	87	1/22	70	13	3
162	153	119	114	88	1/23	69	17	2

FROM KH6BZF REPORTS

SUNSPOT NUMBERS for the past year: Jan 1985, 16.5; Feb, 16.1; Mar, 11.9; Apr, 16.1; May, 27.4; Jun, 24.2; Jul, 30.8; Aug, 10.4; Sep, 13.9; Oct, 18.5; Nov, 16.6; Dec, 17.2. Lee says the predicted sunspot numbers for January to June 1986 are expected to drop from 10 in January to 5 in June.

LAST ISSUE we published a report that Stew Perry, W1BB, had died; we are happy to say that report was in error and that Stew is very much alive. The rumor apparently began in a publication of the Quarter Century Wireless Association (QCWA). TDXB apologizes to Stew and to his family for this inexcusable error.



X4XKC visits with his QSL manager, KAIKN, in Western Massachusetts. Photo by WAIJZE.

- W8ZF signed PJ2FR back in the CQ WW CW Contest, not P49Z as expected.
- W7ULC reports having worked 77 DXCC countries on 10 MHz. The Voice of America transmitter in Washington has been heard on 10.134 and 10.145 MHz.
- TALE has been showing on 3594. Don't forget always to look for SSB DX anywhere between 3550 and 3750 (and for VU stations around 3890).
- The correct acronym for the Western Washington's DX Club's mini-contest (Issue 319) is NAANY, which stands for "Nightmare Alex's Alpha-Numeric Yearly" award.
- P29JS reportedly worked all 40 CQ Zones after January 1 before leaving for Norfolk Island. If we know Jim, he will work all 40 again from VK9NS before long.
- I5NPH is said to have a 3 element 80 Meter yagi on an 80-foot boom, 140 feet high. You can probably hear him.
- PJ2/WIBIH will sign PJ9J during the ARRL DX Contest, both modes. He used to be PJ9JT. KQ2M says he is bringing his P4 Aruba licensing paperwork back for Newington to look at.
- EI9FG/OD5 will be in Lebanon for three months; he's with the United Nations forces there.
- JH5EES goes to Marcus Island (Ogasawara) again early in February; he has been there several times the past six months or so but we have seen no reports on him from anywhere in North America.
- K2LE is on from St. Kitts as K2LE/V4 now to Feb 4; K4FW is reportedly on from Nevis as K4FW/V4, also.
- K2PK says he's still waiting for CE0AA cards, after almost 16 months. Best bet still seems to be via the Radio Club or CE3ESS.
- Despite political unrest in Uganda, 5X5GK continues active, almost exclusively on list operations. He will give you a CW contact, on request.
- K6HCV rumored to operate /J88 St. Vincent, starting Feb 10 for several weeks.
- The S90AS operators (Issue 320) are now on from Togo, signing 5V7AS for about two weeks; see S90AS in the Bandpass for spots they like to operate. They next go to Benin, TY, for another two weeks, starting Feb 5.
- ON4UN used his new U.S. extra class license to sign AA4OI/PA from the Netherlands last week. John has an article in the latest issue of Radiosporting, and says his revised "80 Meter DXing" book should be published soon, in both English and German.
- In our 1985 summary (Issue 317/318) we said that the April 1985 Clipperton group did not go to Revilla Gigedo because a Mexican group had a license for the same time, but that the Mexican group did not operate. We were wrong ... the Mexicans were on, signing XF4MDX, for about 30 hours.
- N6EK/C6A will be on from the Bahamas Feb 13-16, including the ARRL DX CW Contest. He then goes to the Turks for N6EK/VP5 Feb 21-Mar 4, including the CQ 160 and ARRL DX Phone Contests. He will operate all bands in both the ARRL contests.

1986 TEXAS ARMADILLO RUN SCHEDULED

JUST ONE YEAR AGO we announced that the Texas DX Society would be sponsoring another "Armadillo Run" this year, in honor of the Texas Sesquicentennial (150 years of statehood). The dates for the event have been announced: May 3/4 during the County Hunter's Phone Contest, and July 26/27 during the County Hunter's CW Contest.

The goal is to activate, over the two weekends, all 3077 counties in the U.S. Actually, there are only 3076 counties in the U.S., but Texas has declared the creation of an "Armadillo County" in honor of the Sesquicentennial. Governor Mark White proclaimed that from Mar 2 to Dec 31, 1986, amateurs operating along the Texas Independence Trail may state that they are operating from Armadillo County Texas.

Clubs are now being asked to contact the TDXS, namely Armadillo Run high almighty potentate K5RC, to offer their services for this formidable task. A number of regional coordinators have already signed up, but more are needed. An SASE to Tom Taormina, K5RC, 12610 Barbizon, Houston TX 77089, will get you more information and possibly a copy of the just-published first issue of the "Armadillo Press."

NOTES

- Harry Perrine will operate KC2RS/VP5 Feb 13 to Mar 10, with side trips to Haiti and the Dominican Republic. He'll operate the CQ 160 Phone Contest Feb 21/23 and the ARRL DX Phone Contest from VP5.
- DX NL says that CEOERY's sons, CEOGYT and CEOGYS, are active from Easter Island; no reports here.
- YU3KI/5N0 will be in Nigeria for several months, and is trying to get an antenna up for 160 Meters.
- DF6FK (one of the survivors of the Spratly expedition disaster in 1983) will sign T32BB until Feb 5.
- OH2BN and OH1JT are very active from Madeira, site of one of the No. Calif. DX Foundation's beacons (CT3B). 40 Meters has been very good recently, and we heard CT3BZ running Europeans at 1800Z the other day; we could copy a gigantic pileup of Europeans at that time.

In fact, some on the East Coast have been working into Europe and Africa on 40 at high noon, 1700Z!

- DXPress has a rumor that VP8BFC is on his way to S. Georgia; CE9HOP is active from the S. Shetlands, and AZ1A is finally appearing from the S. Orkneys, being reported on 14.175 at 0230Z and on 14.025 around 2300Z.
- G4IUF/CS3 is on from the Gambia now until Feb 6
- Conditions for the CQ 160 Contest Jan 25/26 were very good, with many people working all continents, primarily thanks to 4X4NJ Asia contacts.
- W5YI Report notes that 1986 is the 50th anniversary of the 6L6 tube. This editor is not the only person whose first transmitter was a 6L6 oscillator (we built ours in 1961). Our rig used the ubiquitous power supply built from TV parts, a surplus output coil, and we had one crystal, for 7160. We worked 40 states with it before moving up to a DX-20.

... that reminds us of one long-standing joke around ARRL Headquarters: about the guy who built a TV set out of parts from old ham transmitters. But you probably had to be there.

Several years ago, TDXS put all 254 Texas counties on the air, on 20 CW, over a summer weekend; it was great fun trying to work them all, and the nationwide Armadillo Run looks to be one of history's great operating events. We plan to provide updates here, as things develop.

On a related note, February CQ records that All U.S.A. Counties Award #496 went to Charles Loftis, WDX4KEF, a shortwave listener. The All Counties Award is certainly an achievement, especially when you consider that only 500 have been issued, compared to thousands on the DXCC Honor Roll and thousands more having 5-Band DXCC. It must have been especially difficult to hear 3076 counties, not being able to transmit to make skeds, confirm information, etc. Congratulations, WDX4KEF!

28 MHZ BEACON BAND

by Martin Atherton, G3ZAY

THE FUTURE of the 28 MHz beacon band has recently been discussed by the IARU Administrative Council. The emerging philosophy is that after 1/1/1990 beacons operating in the current band of 28.200 - .300 will no longer be protected by the band plan and a new protected beacon band of 28.190 - .200 will be phased in.

The aim is to develop a number of time-shared systems, similar to that currently operating on 14.100 MHz (NCDXF sponsored) with one frequency reserved for a worldwide chain, and the other frequencies (possibly with as little as 1 KHz channel spacing) used for regional chains.

There is clearly much merit in these proposals, as they make very efficient use of the band and release a substantial amount of "new" spectrum. However, disadvantages include:

1. Having to wait many minutes for a particular beacon that you are interested in to turn on.
2. Being unable to monitor a propagation path continuously.
3. CW filters will be needed to separate beacons if they are 1 KHz apart.
4. Beacons will be unable to fit lengthy information transmissions into their time slots.
5. Unsupervised beacons (e.g., VP8ADE on Adelaide Island) are difficult to maintain in terms of time and frequency tolerances.
6. Expensive control equipment and possibly new transmitters will have to be found to replace existing beacons.

Are the emerging IARU proposals adequate or do we need a small additional sub-band for continuously operating beacons? For time sharing systems, what is the best combination of transmission time per beacon, and best number of beacons per channel? Please send your comments to TDXB or directly to Martin Atherton, G3ZAY, PO BOX 146, Cambridge, England.

160 METERS

3A2GL 1839 0325 21 MA
 4X4NJ 1833 0400 21 MA
 CO2PY 1834 2355 17 FL
 CT1BCM 1836 0131 21 FL
 EA6NB 1837 0622 12 AL
 EA8QO 1833 0022 13 AL
 EA8QO 1834 0607 21 MI
 HH7PV 1828 0240 18 CO
 HKOBKX 1834 0130 21 FL
 IT9ZGY 1834 0312 21 FL
 J88AR 1832 0200 14 MA
 JR1EBE 1909 1410 18 CO
 KWOA 1833 0640 13 AL
 LA2UA 1835 0700 14 MA
 OY7NL 1832 0900 19 MA
 PA/AA4OI 1832 2215 13 MA
 PA/AA4OI 1834 0705 14 MA
 (ON4UN OP)
 PAUHIP 1829 0129 21 FL
 PJ2/WIBIH 1833 0138 21 FL
 SM7BIC 1835 0610 17 FL
 T77C 1846 0540 21 IL
 TK5VN 1838 0622 21 IL
 UA1DZ 1834 2250 17 FL
 UA1DZ 1835 2240 17 MA
 UA1OT 1832 0250 20 CT
 UD6DC 1832 0215 21 MA
 UZ6LWZ 1839 2338 17 FL
 VP2VA 1833 0735 14 MA
 VP2VA 1833 0600 16 MA
 ZB2J 1836 0720 14 MA

30 METERS

4U1ITU 3800 0305 16 NH
 4U1UN 3775 0521 11 OR
 5N0/JG1FVZ 3795 2115 13 MA
 5N0/YU3KI 3501 0025 18 FL
 5N0/YU3KI 3501 0010 21 MA
 7X2LS 3793 0110 20 MA
 8P9AF 3789 0350 16 CO
 8P9AF 3790 0500 16 MA
 A4XJZ 3507 0217 23 MA
 A4XJZ 3795 0314 23 MA
 AH0E 3502 1545 17 WA
 BY1QH 3506 1530 17 WA
 BY1QH 3506 1520 18 WA
 BY1SK 3502 2215 20 MD
 C31UA 3797 0420 18 MA
 C31UA 3797 0407 18 NH
 C6A/G3YCM 3794 2347 22 CT
 CE0ZIJ 3796 1020 21 MA
 CE0ZIJ 3797 1257 21 IL
 CT3/HB9CRV 3507 2215 16 FL
 CU1CB 3798 2253 18 MA
 DU9RG 3794 1534 20 WA
 EA6NB 3512 0637 18 FL
 EA8ABR 3504 0642 17 FL
 EA8QO 3502 0023 18 FL
 GD4BEG 3504 0719 13 OR
 H44IA 3799 1058 21 MA
 HL5OC 3505 1306 16 AL
 HV2VO 3795 2140 20 MA
 JT0XC 3505 1425 12 CO
 JT0XC 3505 1428 12 OR
 JY9RL 3799 0341 18 NH
 LA0XC 3502 0743 13 OR
 OA4ZV 3793 1051 21 MA
 OD5/EI9FG 3791 2122 13 MA
 OY7ML 3506 0840 19 MA
 P4/KQ2M 3798 0047 23 MA
 P4/KQ2M 3796 0300 16 CO
 P4DO 3794 0314 19 MA
 PJ2LS 3503 0624 18 FL
 PZ1DT 3506 0300 15 FL
 RL8PYL 3506 0300 15 FL
 S90AS 3504 0205 14 MA
 S90AS 3644 2250 18 MA
 S90AS 3650 2320 13 MA
 S90AS 3792 2350 13 NH
 SM7DLZ 3514 0727 13 OR
 TA1E 3594 0600 19 MA
 UA0ZCQ 3507 1230 20 MA
 UG6GAW 3501 0405 14 MA
 UL7TCU 3505 0220 20 MA
 U05GQ 3505 0623 18 FL
 V2ACW 3505 0010 18 FL
 VK6HD 3509 2155 19 MA
 VK7AE 3799 1058 22 MA
 VK9LM 3508 1210 18 MA
 VK9LM 3799 1255 21 IL
 VK9LM 3800 1425 11 OR
 VP5EE 3799 0257 20 MA
 VS6DO 3794 1145 18 MA
 YB0JH 3793 2130 20 MA
 YB0WR 3792 2238 19 MA
 YB0WR 3792 2210 19 MA
 YB0WR 3795 1440 18 CO
 YD1LBY 3503 1055 18 MA
 ZL8OY 3513 0645 18 FL

40 METERS

3B8CF 7008 0200 14 FL
 4K1ZZ 7002 2100 14 MA
 4X4NJ 7003 2223 17 MA
 5B4GA 7005 0228 16 FL
 5N0/YU3KI 7013 2300 15 FL
 5R8AL 7002 1805 20 MA
 5R8AL 7005 0245 11 PA
 817AP 7019 2300 20 OH
 8Q7AP 7018 2230 20 CT
 9H1BB 7003 2305 14 MA
 9M2AX 7004 2340 17 CO
 9M2AX 7005 1030 18 MA
 9M2AX 7007 2330 15 MA
 A25/W6KG 7002 1940 20 MA
 C31NP 7001 0145 12 PA
 CE4IDY 7014 0420 15 CO
 CM8AR 7006 0420 15 CO
 CPBAK 7002 1022 18 AL
 CT3BZ 7002 0133 23 MA
 CT3BZ 7002 1800 24 EU
 DU9RG 7087 1100 24 MA
 DU9RG 7094 1313 12 MD
 EA8BLC 7004 0148 17 FL
 HC5NAI 7002 0034 17 FL
 HKOBKX 7009 0253 12 MI
 J28EG 7004 2215 14 MA
 J28EG 7004 2239 14 FL
 LU8DYH 7011 0420 15 CO
 OY7ML 7002 2325 13 MA
 P4/KQ2M 7006 0300 14 CO
 RL8PYL 7012 2234 18 AL
 TK5EL 7025 2308 18 FL
 TR8DR 7003 2305 16 MA
 TR8DR 7003 2230 16 FL
 UA0TO 7001 1248 19 MA
 UA9MEA 7002 1808 20 MA
 UG7GWI 7002 0215 20 MA
 UG7GWI 7002 0211 16 FL
 UG7GWI 7005 1328 18 AL
 UH8EA 7005 1306 19 MA
 UH8EA 7010 2231 18 AL
 UJ8JMM 7014 0250 20 MA
 UV100 7004 0341 15 FL

UZ9CWW 7005 1256 18 MA
 V44KAC 7168 0329 19 MA
 VK3MR 7008 1900 24 CT
 VK9LG 7005 1300 10 AL
 VK9LM 7004 0923 19 MA
 VP2V/KX2Y 7015 0039 17 FL
 VP2VEG 7009 0145 17 FL
 VS6CT 7087 1100 24 MA
 VS6DO 7003 0905 19 MA
 VU2TTC 7005 0128 17 FL
 VU2TTC 7002 1220 20 MA
 VU2TTC 7003 1800 20 MA
 YB2BNJ 7006 2250 16 MA
 YB2BNJ 7007 2210 17 MA
 YB2BNJ 7006 2249 16 FL
 ZS1HV 7004 0015 17 CO

30 METERS

SM5ATK 10103 1633 14 OR
 SV0AH/5 10103 2125 18 MA

20 METERS

3D6PS 14189 2025 18 MA
 3Y9WT 14197 1425 12 CO
 3Y9WT 14197 1420 12 PA
 3Y9WT 14197 1327 12 MD
 (ANTARCTICA)
 4U1UN 14014 2012 18 FL
 4U1UN 14025 1318 18 MA
 5H3ZR 14007 1940 19 MA
 5N0/YU3KI 14012 2105 18 MI
 5N8KBM 14186 2140 19 RI
 5R8AL 14157 1750 10 PA
 5T5ZB 14010 2226 18 MA
 5V7RW 14224 2115 18 RI
 5X5GK 14183 1843 11 PA
 5X5GK 14183 1800 25 CT
 5Z4DU 14183 1930 11 PA
 5Z4DU 14196 1935 19 MA
 5Z4DU 14813 1945 9 PA
 5Z4JD 14288 1900 20 RI
 5Z4NR 14200 2040 20 MA
 6T2MG 14178 2110 12 PA
 6T2MG 14178 2103 12 MD
 (SUDAN)
 6W1CK 14183 1815 14 PA
 7X2LS 14186 1830 14 PA
 9J2DP 14183 1830 9 PA
 A22DP 14132 1830 9 PA
 A25/W6KG 14183 1925 18 MA
 A25/W6KG 14013 2018 16 MI
 CE9AM 14210 2258 18 NH
 CE9AM 14210 2218 12 MD
 (ANTARCTICA)
 CN8LS 14200 2:000 21 RI
 EA8BEX 14025 1344 18 FL
 FR4DA 14203 2025 18 MA
 FR4ZD 14027 1854 18 FL
 FR4ZD 14020 2030 18 AL
 FR4ZD 14189 1925 18 MA
 FR4ZD 14194 2100 18 RI
 GD0BCJ 14004 1500 18 FL
 H44IA 14032 2154 18 AL
 HB0CZS 14002 1500 18 FL
 HZ1HZ 14025 2020 9 PA
 J28EM 14183 1740 13 PA
 JW5E 14186 2000 13 MA
 JY9VQ 14270 1257 17 MA
 KC4USX 14172 2132 18 MA
 OD5/EI9FG 14025 1530 20 MA
 P29KJ 14030 2210 19 FL
 P4/KQ2M 14017 2323 14 OR
 P4/PAOFM 14156 2210 16 FL
 PZ1AV 14010 2027 16 MI
 S83H 14219 1922 20 RI
 S90AS 14001 1534 18 MA
 S90AS 14008 2315 15 MA
 S90AS 14007 2345 15 PA
 S90AS 14008 1832 18 FL
 S90AS 14016 1839 4 OR
 S90AS 14015 1820 14 PA
 S90AS 14014 2138 18 AL
 S92LB 14179 2022 21 RI
 S92LB 14183 1915 12 MD
 TFLWS 14167 1316 18 MA
 TR8DR 14213 2148 20 RI
 TR8RAL 14161 2017 19 MA
 TR8RAL 14160 2045 18 MA
 TU2CH 14014 1933 18 FL
 TU2CV 14015 1940 19 MA
 TU2OX 14010 1919 18 FL
 TZ6FE 14227 2247 13 NH
 UD7DWA 14034 1249 13 CA
 UD7DWA 14026 1317 15 AL
 UV100 14027 1300 17 FL
 UV100 14020 1818 18 FL
 VK3XB 14025 2210 15 PA
 VQ9QM 14021 1450 20 MA
 VU2MAC 14211 1524 20 RI
 VU2VIT 14040 1350 17 FL
 YB2BNJ 14026 2307 15 FL
 Z21BY 14200 2040 20 MA
 Z6FE 14227 2151 20 RI
 ZD7SE 14183 1830 14 PA
 ZD9CI 14187 2200 16 FL
 ZP5XDW 14029 2222 14 FL
 ZS6USA 14180 1909 20 RI

15 METERS

ZS5BK 21025 1550 18 MI

CONTRIBUTORS

KAI1BU, KE1K, KAI1XN, WIHX, WIWY, K1KP, KV8Q,
 K1MEM, G3ZAY, KC2RS, W3AP, WB9HAD, N7EF,
 W3FDP, N6EK, K3RR, K2PK, KD7SO, N4NO, AE1H,
 W4VQ, K7ZR, 28CT, K6IR, N4KG, K4BAI, W4BAA,
 KAI1PL, W7ULC K7VAY, WB9CIF.

CALENDAR

ISSUE 321

AFRICA	W6KG/W6QL at A25/W6KG; next stop unknown; left are 7Q, S8, ZE, 9J, and CR8 possible through April; QSL TO YASME.	MAURITANIA	5T5SR on 15, 20 SSB and CW; QSL N4GND
ANTARCTICA	3Y9WT there now; I317	MONGOLIA-JT	JT0XC (OK1XC) on now, low bands
ARMADILLO RUN	In May and July; I321. More info K5RC.	MONTSERRAT-VP2M	KILLN/VP2M Feb 24-Mar 1
ARUBA-P4	A new DXCC country beginning Jan 1; by K9VV group Feb (Issue 319).	OGASAWARA -JD	JH5EES there on-and-off; no reports
BAHAMAS -C6A	BY N6EK FEB 13-16; I321	P.N.G.-P29	P29JS returns to VK9NS Jan 30; I316
BENIN -TY	By S90AS Italian group starts Feb 5	SAO TOME-S9	S92LB on 14.183 2030-2330Z4 his QSLs are good for DXCC
CAMEROON-TJ	TJ1CH try 14.183 at 2000Z	SO GEORGIA	VP8BFC rumored; no reports
CAMBODIA-XU	XU1SS in JA, Europe, 0900Z	SO ORKNEYS	AZ1A on now Issue 321
CAYMANS-ZF	ZF2HI for ARRL Phone; I319	SO SHETLANDS	ZX0ECF reported in Europe
CHAGOS	VO9LD try 7005/1300Z long path	ST KITTS	K2LE/V4 now to Feb 4; K4FW/V4 also
CHATHAM-ZL7	ZL7AA no reports recently 1/86	ST VINCENT -J88	By K6HCV rumored starting Feb 10
CHINA-BY	BY1QH, BY1SK active 20 SSB	SUDAN-ST	6T2MG and 6T1YP active
CURACAO-PJ	PJ9J by W1BIH for ARRL Contest	SVALBARD-JW	JW5VAA, JW5E, JW0A on; I310
CYPRUS BASES	ZC4HMS, ZC4ESB active; ZC4MR on with W7PHO, 14.225 at 1600Z ZC4MR now on 75 SSB	TOGO -5V	5V7AS by S90AS group until Feb 4
E CAROLINES -KC6	KC6JC back on Ponape, 20/40 M. by K25M in Feb; Issue 320	TOKELAUS-ZK3	ZK3RW by ZL1AM0 in March; I314
FALKLANDS -VP8	VP8BGO, VP8WTW active	TONGA-A35	A35WZ by NC7K starts Feb 13; I319
FR JOSEF LAND	UV100, UA1OT very active; Issue 319	TROMELIN	FR7AI probable for Feb; I320
GRENADA-J3	K4LTA group in Feb; I320	TURKS -VP5	By N6EK FEB 21-MAR 4; I321; BY KC2RS FEB 13-MAR 10; I321
GUINEA-BISSAU-J5	J5UAG active; need reports	TURKEY-TA	TA1E on 75; see Bandpass
IVORY COAST-TU	K1CTK likes 14.183 net at 1900Z	VIETNAM-XV	KM1R rumored there next month; I320
KERMADEC-ZM8	ZL80Y staying until Aug or Sept	W CAROLINES	By KZ5M in Feb; I320
LEBANON-OD	EI9FG/OD5 there several months	W KIRIBATI -T32	T32BB by DF6FK now to Feb 5
LORD HOWE-VK9	VK9NM by DJ5CQ until Feb, 1986 he wants QSLs direct there, to Box 5, L.H. Island 2898, Australia	160 METER NET	With 4X4NJ, 1400Z, Saturday, 14.337 Info 1900-2000 KHz, I310
MADEIRA -CT3	CT3BZ by OHs, ends soon; I319 W2ZZ/CT3 there soon; I320		CONTESTS
MALAGASY-5R	5R8AL try 20, 40 Meters SSB try Fri, 21.330, 16-1700Z		CQ 160 SSB FEB 21-23 ARRL DX CW FEB 15/16 ARRL DX PHONE MAR 1/2

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